

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
25 August 2005 (25.08.2005)

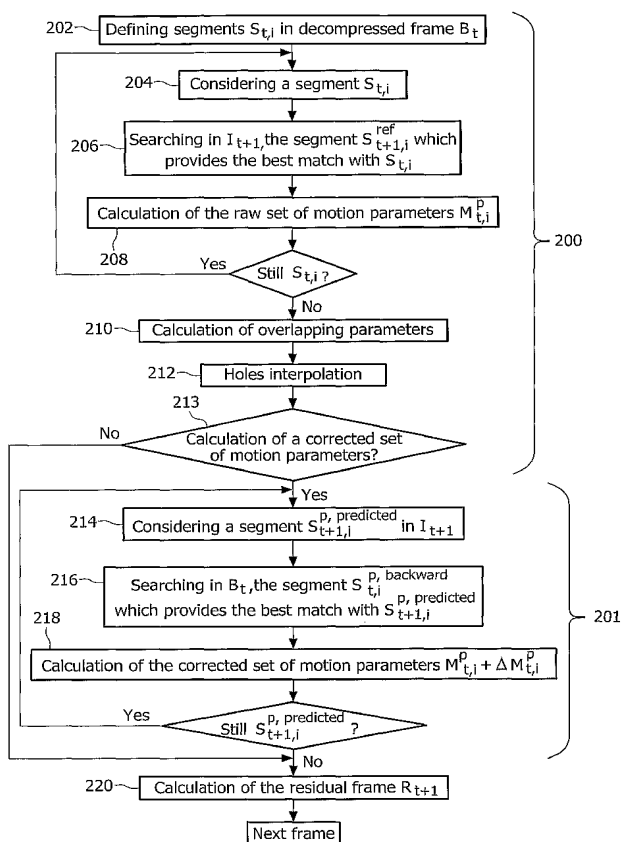
PCT

(10) International Publication Number  
**WO 2005/079074 A1**

- (51) International Patent Classification<sup>7</sup>: **H04N 7/26**
- (21) International Application Number:  
PCT/IB2005/000049
- (22) International Filing Date: 10 January 2005 (10.01.2005)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
04290121.5 16 January 2004 (16.01.2004) EP
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- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,

[Continued on next page]

(54) Title: METHOD FOR COMPRESSING/DECOMPRESSING VIDEO INFORMATION



(57) Abstract: The invention relates to a method for compressing video information in a video sequence  $(I_t, I_{t+1})$ . According to the invention, this method comprises the steps of : . segmenting a first video frame  $(B_t)$  into segments  $(S_{t,i})$ ; . for each segment  $(S_{t,i})$  of the first video frame  $(B_t)$ : - searching, in a second video frame  $(I_{t+1})$ , a corresponding predicted segment  $(I)$  which matches with the segment  $(S_{t,i})$  of the first video frame  $(B_t)$ ; - calculating a raw set of motion parameters  $(II)$  describing the motion between the segment  $(S_{t,i})$  and the corresponding predicted segment  $(I)$ ; and . for each corresponding predicted segment  $(I)$  : - searching, in the first video frame  $(B_t)$ , a corresponding segment  $(III)$  that matches with the predicted segment  $(I)$  of the second video frame  $(I_{t+1})$ ; - calculating a best set of motion parameters  $(IV)$  which describes the motion between the corresponding segment  $(III)$  and the predicted segment  $(I)$  .



SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Declaration under Rule 4.17:**

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations* AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (BW, GH, GM, KE, LS, MW, MZ,

NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

**Published:**

- *with international search report*

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